



US009424759B2

(12) **United States Patent**
Murphy et al.

(10) **Patent No.:** **US 9,424,759 B2**

(45) **Date of Patent:** ***Aug. 23, 2016**

(54) **BRaille DISPLAY DEVICE AND METHOD OF CONSTRUCTING SAME**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **14/195,428**

(22) Filed: **Mar. 3, 2014**

(65) **Prior Publication Data**

US 2014/0242555 A1 Aug. 28, 2014

Related U.S. Application Data

(63) Continuation of application No. 13/407,364, filed on Feb. 28, 2012, now Pat. No. 8,690,576, which is a continuation-in-part of application No. 12/856,253, filed on Aug. 13, 2010, now Pat. No. 8,177,558, which

(Continued)

(51) **Int. Cl.**
G09B 21/00 (2006.01)

(52) **U.S. Cl.**
CPC **G09B 21/003** (2013.01); **G09B 21/004** (2013.01); **Y10T 29/49155** (2015.01)

(58) **Field of Classification Search**

USPC 434/112–115, 117; 400/109.1; 341/21; 345/157, 160

See application file for complete search history.

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(57) **ABSTRACT**

Disclosed is a Braille display device. The device supports an array of individual Braille cells with corresponding tactile pins. The pins can be selectively lifted by way of reeds to generate Braille characters that can be felt by the user. The Braille characters can correspond to visible characters, such as characters on a computer screen. The display is refreshable to allow for the sequential display of lines, paragraphs, or pages. In accordance with the disclosure, the Braille cells are constructed in a manner that minimizes manufacturing costs and that also permits the size of the display to be greatly reduced.

8 Claims, 13 Drawing Sheets

